

Wireless Presentation System

User's Manual

(Wireless VGA Adapter)

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1. Overview

WPS Adapter is a must-have device for your meeting room! It turns your existing "wired" projector into a "high-end wireless" projector. With the revolutionary Plug-and-Show wireless projection features, WPS makes every one of your presentations and meetings efficient and successful.

- High Performance Wireless Projection

With the revolutionary high performance wireless projection, you can easily share the multimedia on the big monitor with friends without cable hassle.

- High Performance Wireless Projection & Audio Projection

With the revolutionary high performance wireless projection with audio, you can easily share the multimedia on the big monitor with friends without cable hassle.

- Easy installation

Download the software from web management page directly, or make a "Plug & Show" token to project wirelessly right away

- Plug & Show

There is an easy tool to make a Plug & Show USB Token on UI menu. Just link your PC/Laptop to the WPS Adapter (through WLAN or Ethernet), plug the token into a USB port, and in seconds, your screen will be wireless projected to the connected projector!

- Macintosh (Mac) wireless Projection

WPS Adapter supports Mac client connected and projected wirelessly. By launching the Mac client software which can be downloaded from the web management page, WPS provide the same experience to Mac user to utilize the wireless presentation feature.

- 4-to-1 Split Screen Projection

With this 4-to-1 split screen feature, up to four PC screens can be projected to one projector in the same time. Thus you can easily do side-by-side comparison from four PC / PDAs to increase meeting productivity!

- Smartphone wireless projection

WPS Adapter supports MobiShow function for windows mobile 5/6 system. By launching MobiShow utility, MobiShow brings your mobile screen to big screen and which can play photos and PtG files stored in your mobile phone for presentation.

- Change Standby Screen

You can use the application “Screen Image Background Maker” to change the Splash Screen. Design the image with message you would like to present, upload it through web control page, and you could have customized starting page.

- AP Client Mode

You can enable the AP-Client Mode function to let the WPS Adapter join the existing Access Point through WiFi. This feature provides the flexibility of wireless network deployment in enterprise environment.

- Support PoVGA

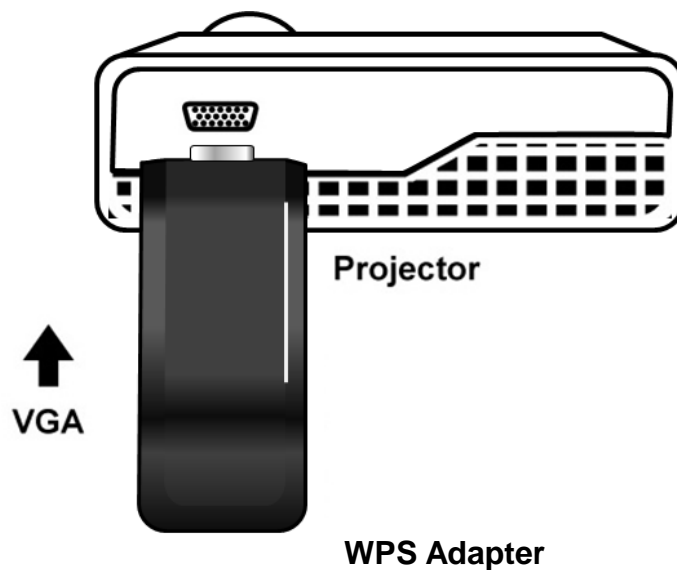
Connect WPS Adapter to a projector supporting PoVGA, the power can be supplied directly from the VGA port without external power adapter.

➤ Features

- Support Windows Win7, Vista, XP.
- Support Macintosh (Mac) version 10.5 and above.
- 4-to-1 split screen projection! Turn one projector into four, increase meeting productivity right away.
- Smartphone wireless projection! PC-less stylish presentation becomes possible!
- Provide session security login, wireless WEP/WPA key and Gatekeeper function to protect presentation contents and keep good security to office networks.
- Support High Performance screen projection
- Changeable Splash Screen image!
- SNMP Manager! To manage the devices easily
- AP-Client Mode! Deploy wireless network in enterprise environment easily
- Support PoVGA.

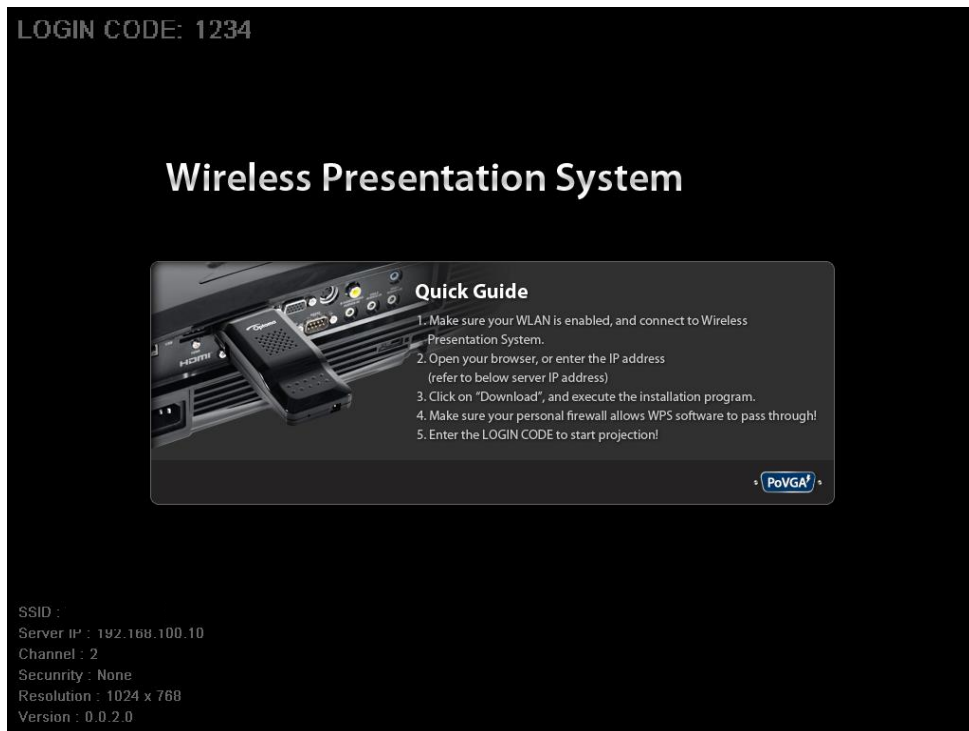
2. Quick Start

- 1) Plug the WPS Adapter into projector VGA port, and turn on the projectors power to use.



- 2) Turn on the WPS Adapter.
 - ◆ When Projector shows the default menu on the screen as below, it

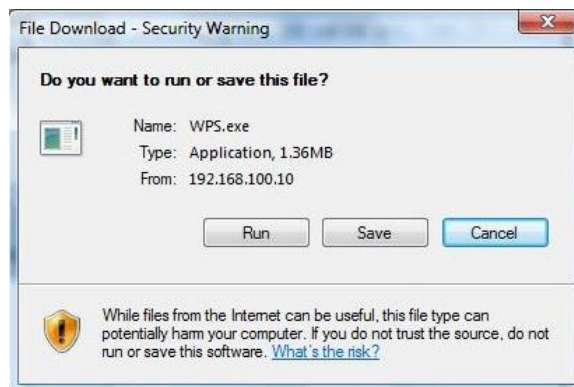
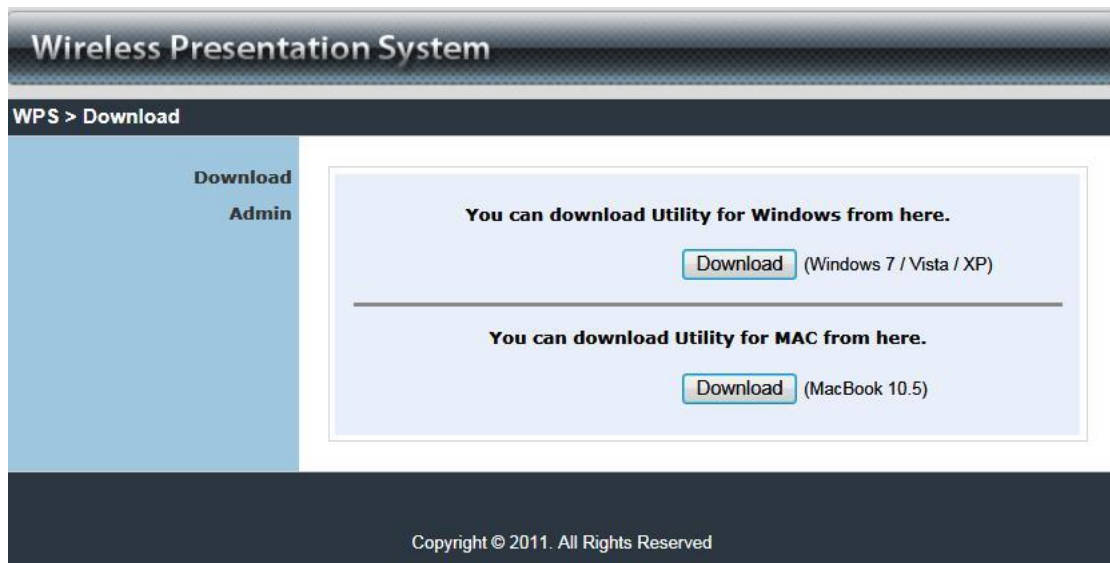
indicates the WPS Adapter is ready.



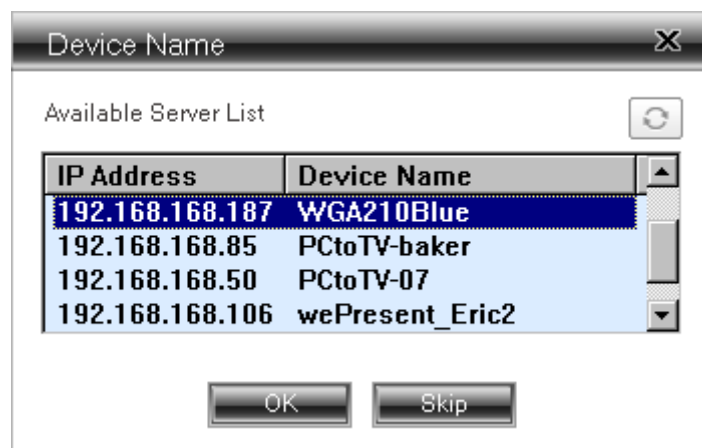
- 3) Make sure your PC WLAN is enabled already, and connect your PC with the WPS Adapter.
- 4) Open your browser and enter the IP address to access the WPS Adapter web home page.
 - ◆ The default IP address of WPS Adapter is **192.168.100.10** or refers to the IP address shown on the left corner of projector screen.



- 5) Download the client software. Please select the "Win7 / Windows Vista / XP" or "MAC" and execute the installation program.
After installing the program, you will see the WPS shortcut on the PC screen.



- 6) Make sure your personal firewall allows the WPS software to pass through.
- 7) Select device that your want to projection



- 8) Enter the **LOGIN CODE** , you can see the login code on the projector screen.



- 9) Click the **“Play”** button to start projection!



3. Windows Client Utility

3.1 Starting Program

After you download the WPS Windows program via web page successfully, then follow below steps to start.

- 1) Click WPS icon to execute the program.



- 2) Program start to search for WPS Adapter automatically,
 3) If the WPS Adapter is found then **“Login Code”** dialog box will pop up on the PC screen.

- **Searching for WPS Adapter**



- **Once WPS Adapter is found, enter login code to start.**

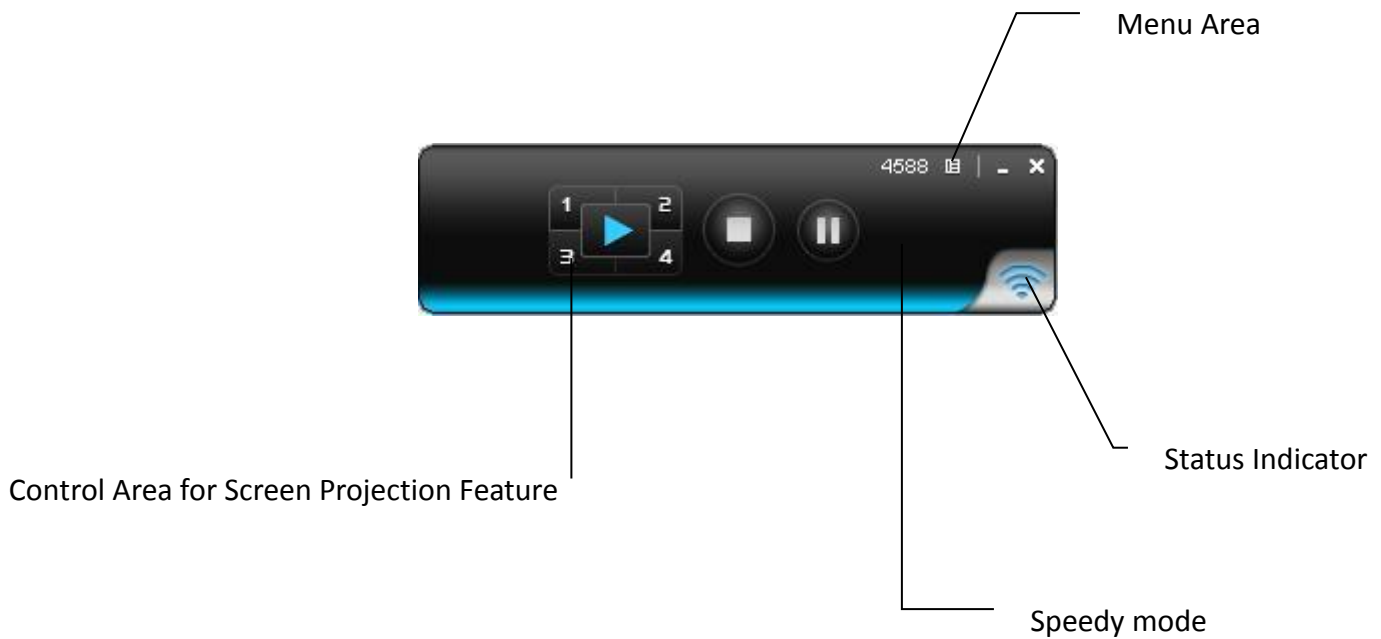
A login dialog box titled "Current Server: WPS-Dongle" with a close button (X) in the top right. On the left is a blue circular icon with a white lowercase 'i'. To the right of the icon are three input fields: "Server IP:" with the value "192 . 168 . 100 . 10", "User Name:" with the value "user", and "Login Code:" with the value "1234". At the bottom are two buttons: "OK" and "Cancel".

3.2 Login

- 1) After "Login Code" dialog shown, enter login code to start presentation.
- 2) You can see the login code shown on the projector screen.

This is an identical copy of the login dialog box described in the previous block, showing the "Current Server: WPS-Dongle" window with fields for Server IP, User Name, and Login Code, and OK/Cancel buttons.

3.3 Main User Interface










3.4 Screen Projection

Click the “Play” button for full or split screen, you can project the main screen on to the display immediately, click the “Pause” button, you can freeze you projection screen, click the “Stop” button to stop projecting your screen, by clicking speedy mode button, the projection will enter speedy mode for faster projection.

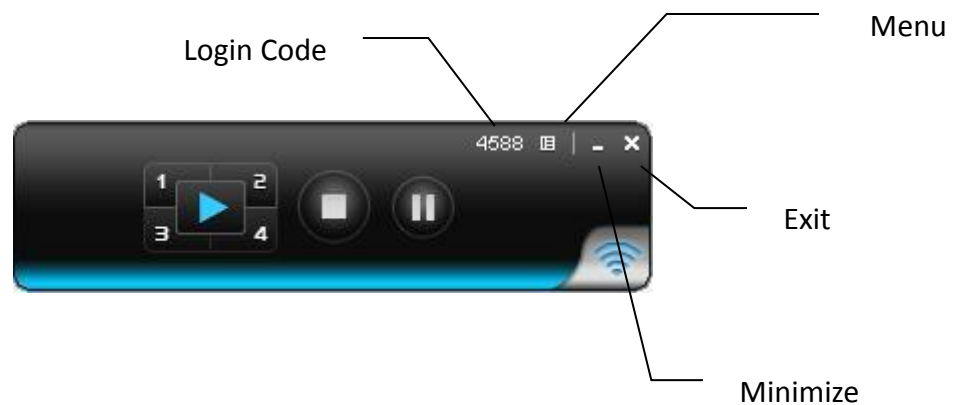
- *. 4-1 function will be disabled in speedy mode.
- *. To enable audio projection, you have to install provided audio driver first.



Button	Description
	Full Screen projection
	Project to Split #1
	Project to Split #2

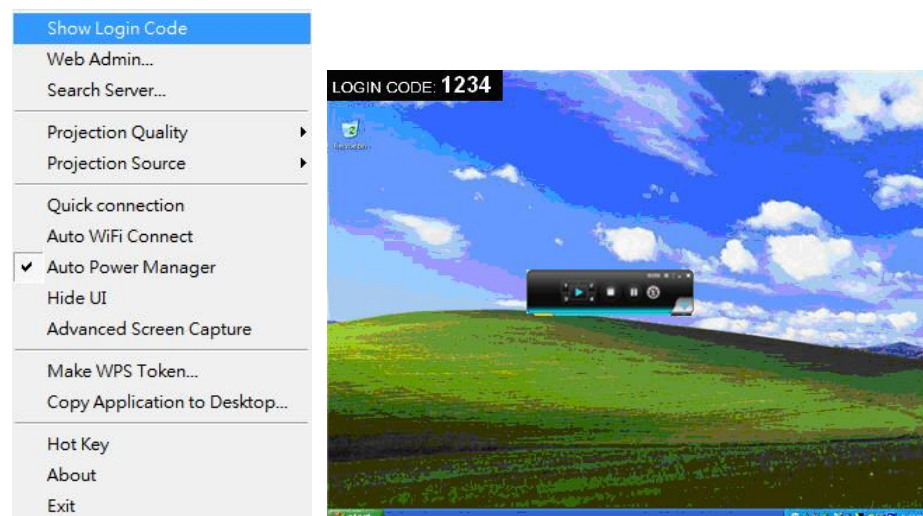
	Project to Split #3
	Project to Split #4
	Stop projecting
	Pause projecting

3.5 Menu Description




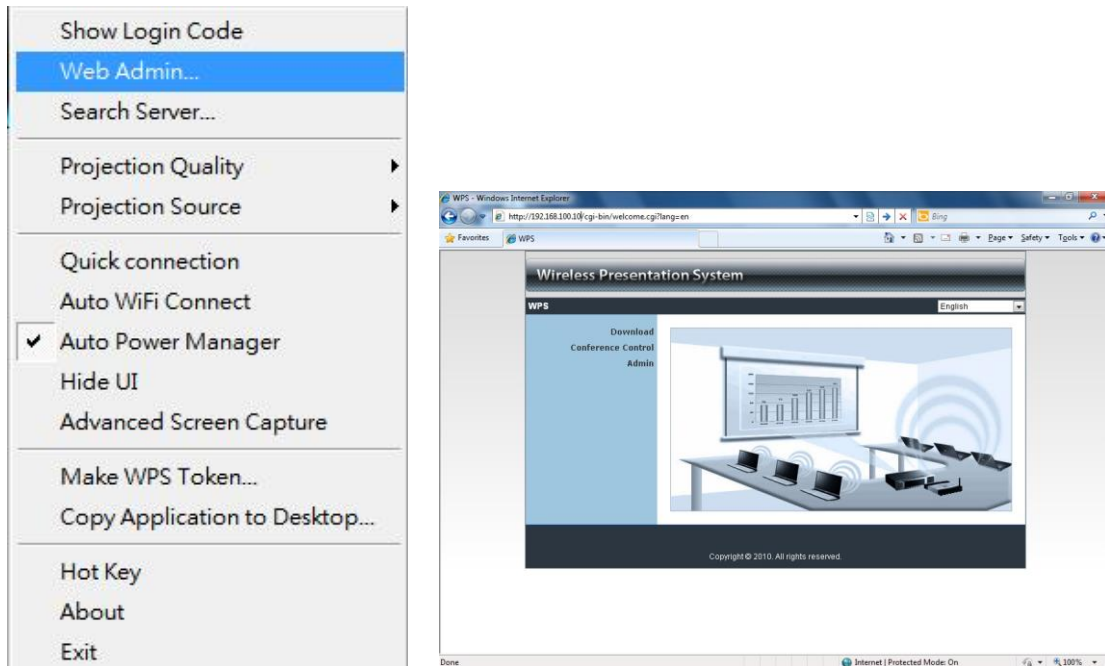
3.5.1 Show Login Code

Click **“Show Login Code”**, it will display the login code on the right-upper of desktop and close it automatically after 10 seconds. You can also click on the area to close this window manually.



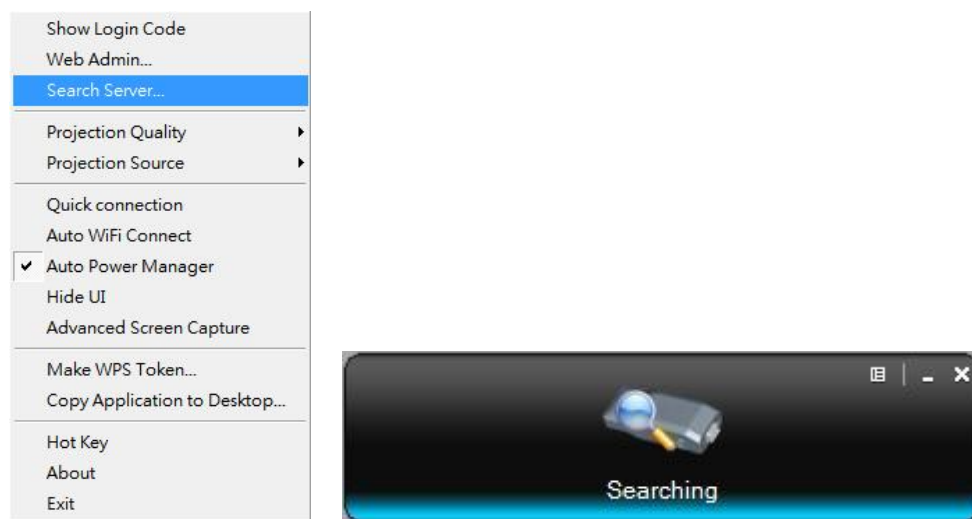
3.5.2 Open Admin Web Page

Click  to open function menu and select **“Web Admin”** management web page.
The web page detailed functions will be described on next chapter.



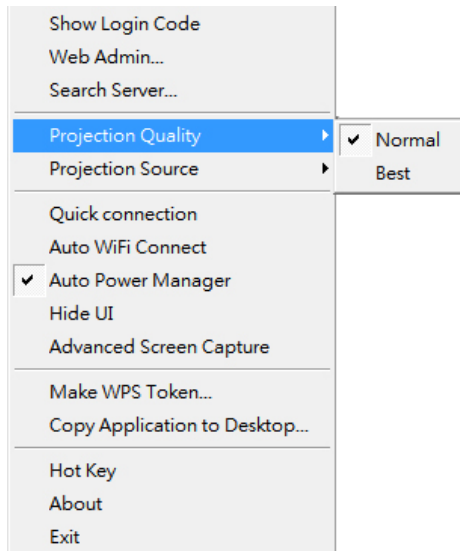
3.5.3 Searching Server

Click **“Search Server”** to re-search the WPS Adapter again.



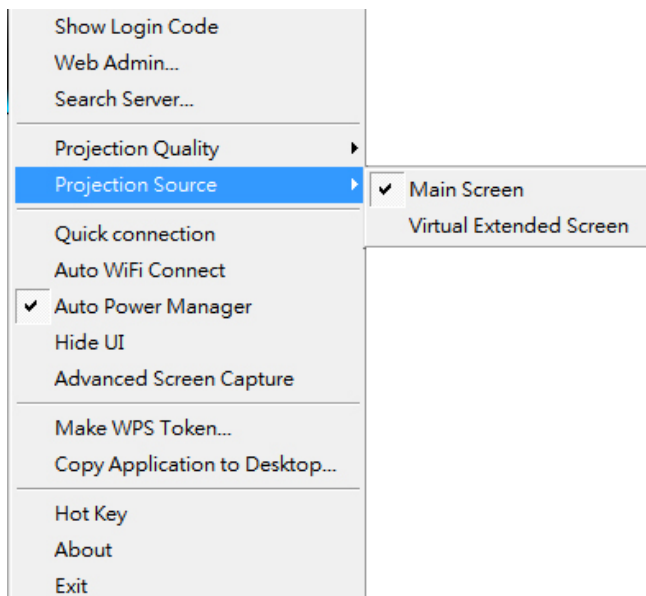
3.5.4 Projection Quality

Click the “**Projection Quality**”, you can select to project the Normal or Best for projection wording quality,



3.5.5 Projection Source

Click the “**Projection Source**”, you can select to project the main screen of desktop or the virtual extended screen.



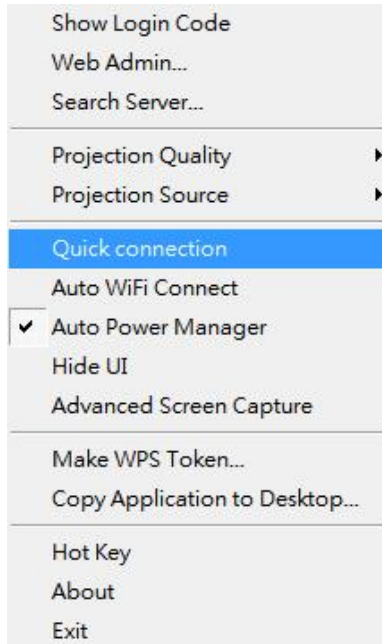
P.S: Virtual Extended Screen option

You need to install “VDD.exe” driver first which is stored in the USB token.

Note: Unsupported Win7 starter.

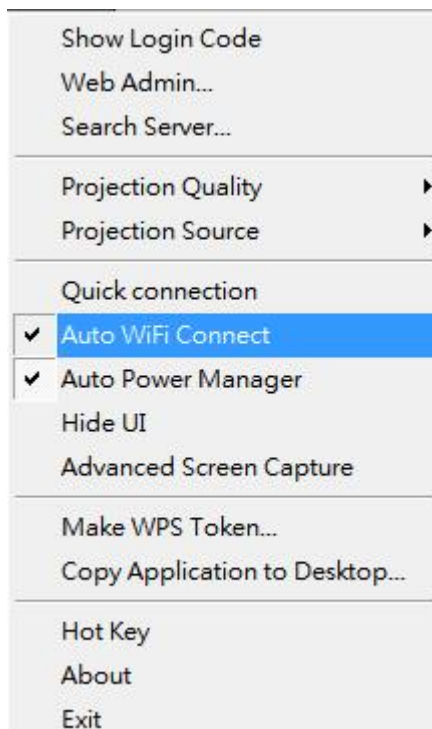
3.5.6 Quick connection

Click **“Quick connection”** to enable connect the last connection directly



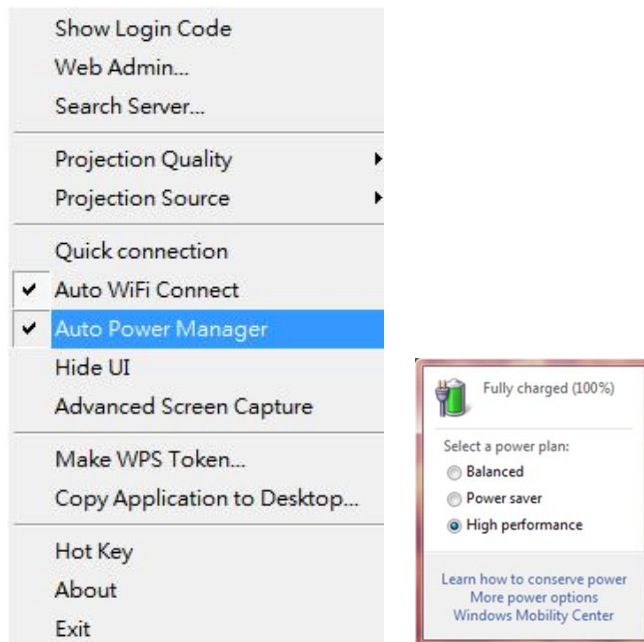
3.5.7 Auto WiFi Connect

Click **“Auto WiFi Connect”** to enable the auto WiFi discovery and connection function for quick wireless set up.



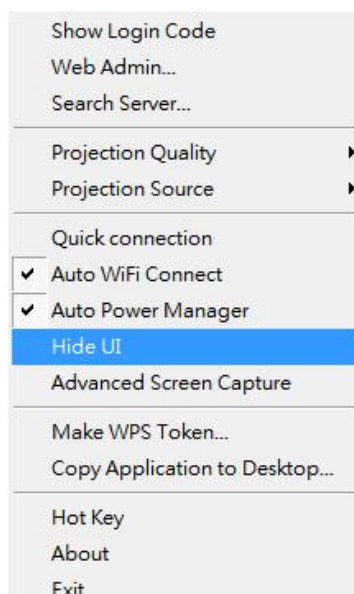
3.5.8 Auto Power Manager

To make the highest projection performance, application will turn the PC's windows power scheme from current settings to "highest performance", however, you can click the **"Auto Power Manage"** to enable or disable this function and restore you power scheme immediately.



3.5.9 Hide UI

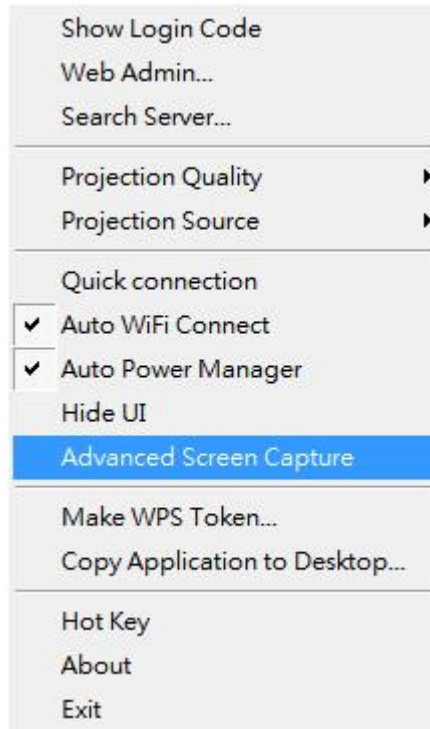
Click the **"Hide UI"**, you can choose to hide or display the application control panel from projection screen.



3.5.10 Advanced Screen Capture

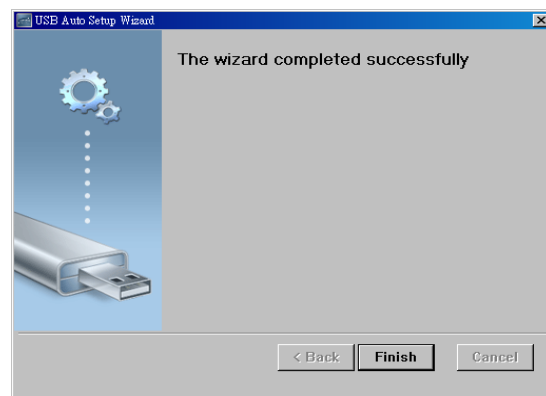
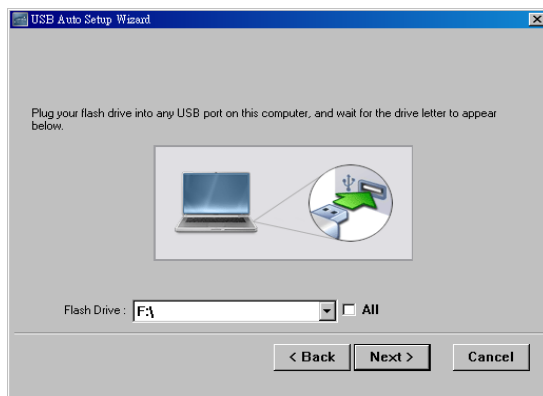
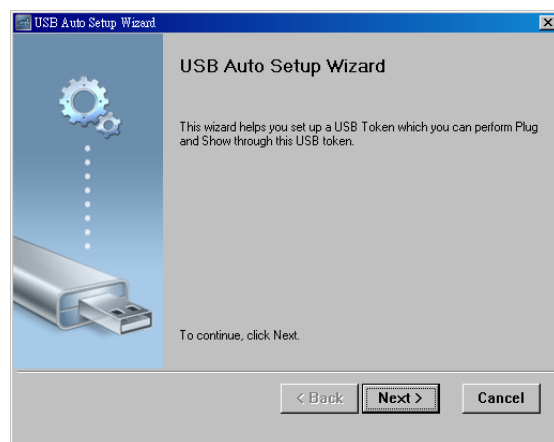
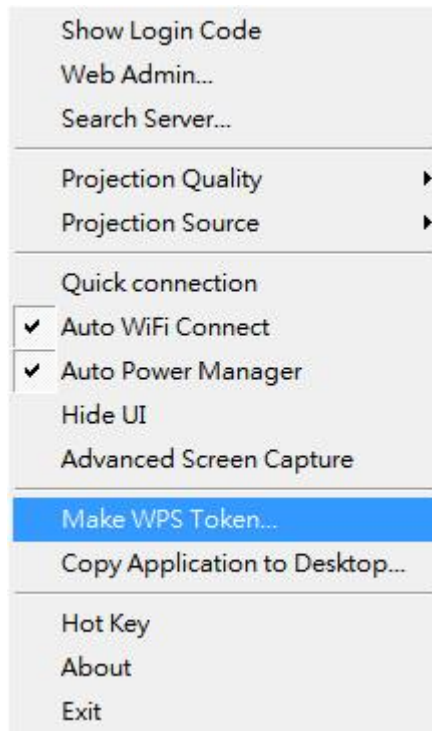
Click the **“Advanced Screen Capture”**, you will be able to see tip windows and other layered windows (include the main UI) on the connected display.

However, the mouse cursor may blink from time to time when you are projecting your PC screen!



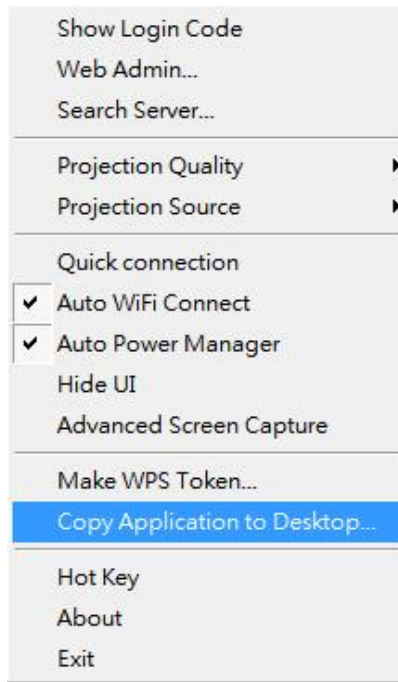
3.5.11 Make WPS Token

Click **“Make WPS Token”** to make a USB WPS Token, you can insert a USB thumb drive and follow the wizard to make the Token.



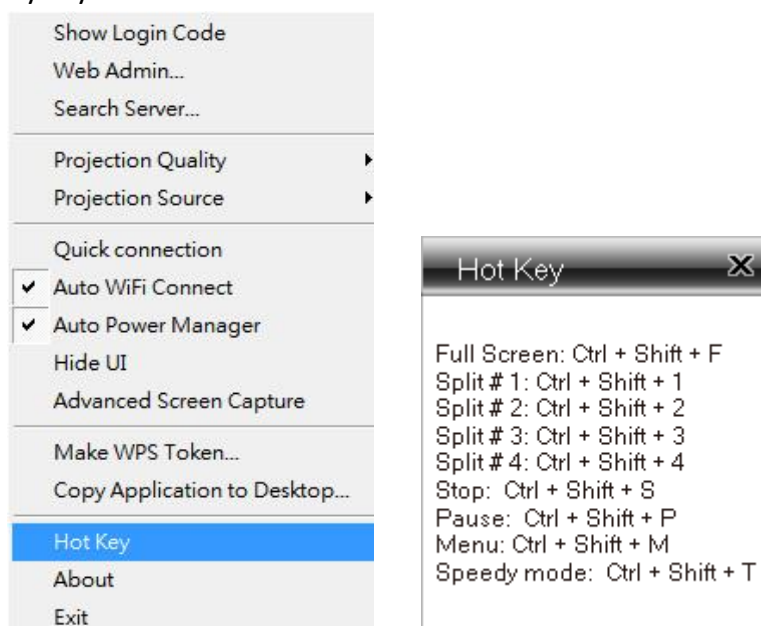
3.5.12 Copy Application to desktop

Click the **“Copy Application to desktop”**, it will copy the application to your desktop immediately even you don’t have the system privilege



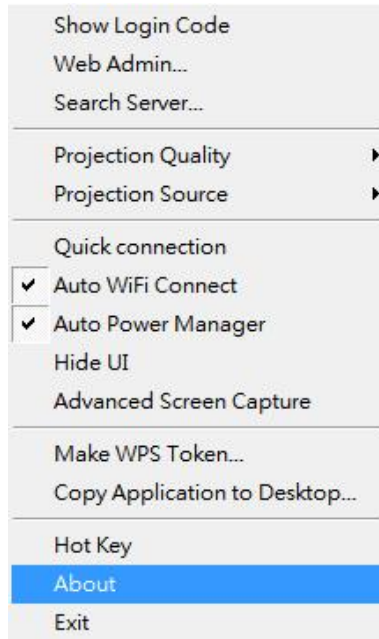
3.5.13 Hot Key

Click **“Hot Key”** to show Hot Key guide. You can use hot key to control the projection by keyboard.



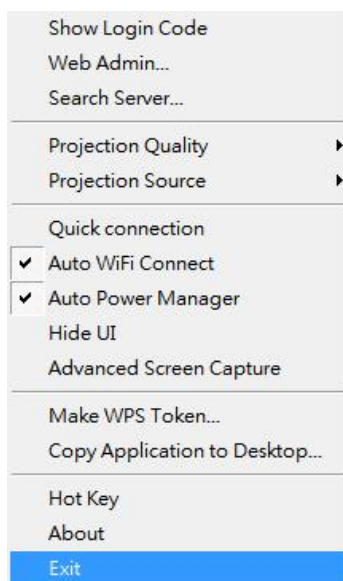
3.5.14 About

Click **“About”** to show system information. It includes product model name, Client version, IP address and other information.



3.5.15 Exit

Click **“Exit”** to exit this application. It will stop current playing status and close the application immediate.



4. Mac Client Utility

4.1 Launch Application

- 1) Enable your WiFi and connect to WPS Adapter.
- 2) Execute WPS client software for Mac.



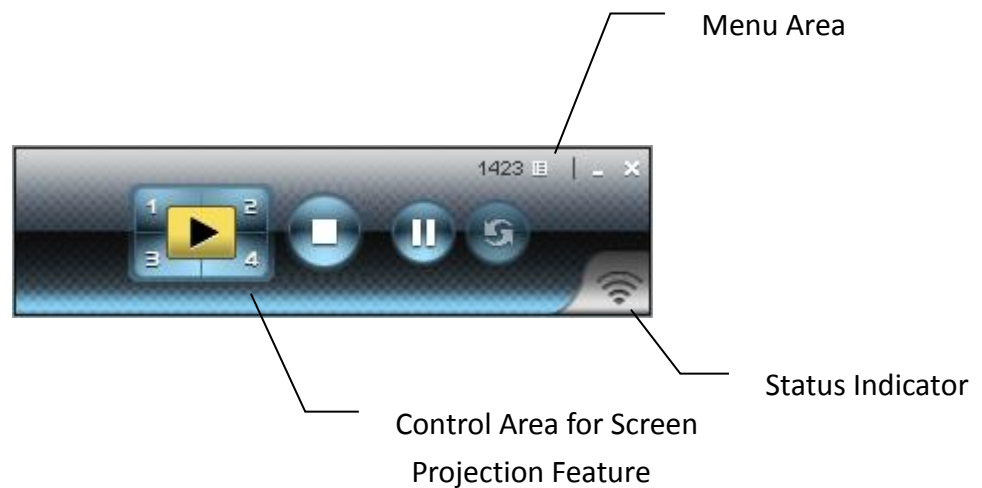
- 3) Launch WPS software and enter the login code.



4) Start Projection.



4.2 Main User Interface











4.3 Screen Projection

Click the “Play” button for full or split screen, you can project the main screen on to the display immediately, click the “Pause” button, you can freeze you projection

screen, and click the “Stop” button to stop projecting your screen.



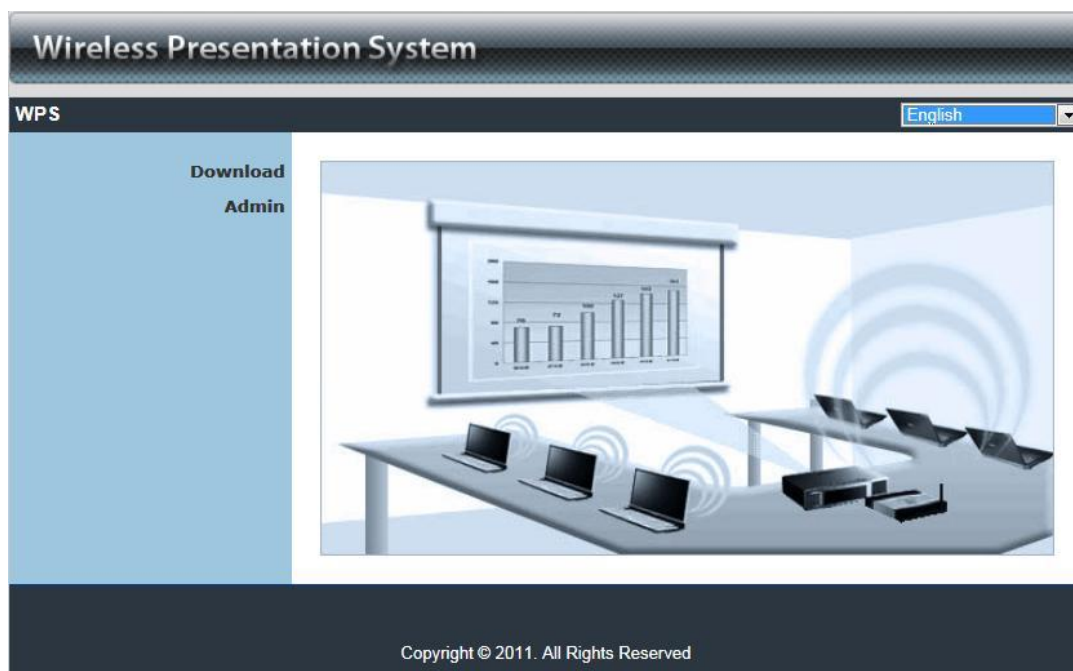
Button	Description
	Full Screen projection
	Project to Split #1
	Project to Split #2
	Project to Split #3
	Project to Split #4
	Stop projecting
	Pause projecting
	Refresh Screen

5. Web Management

5.1 Home Page

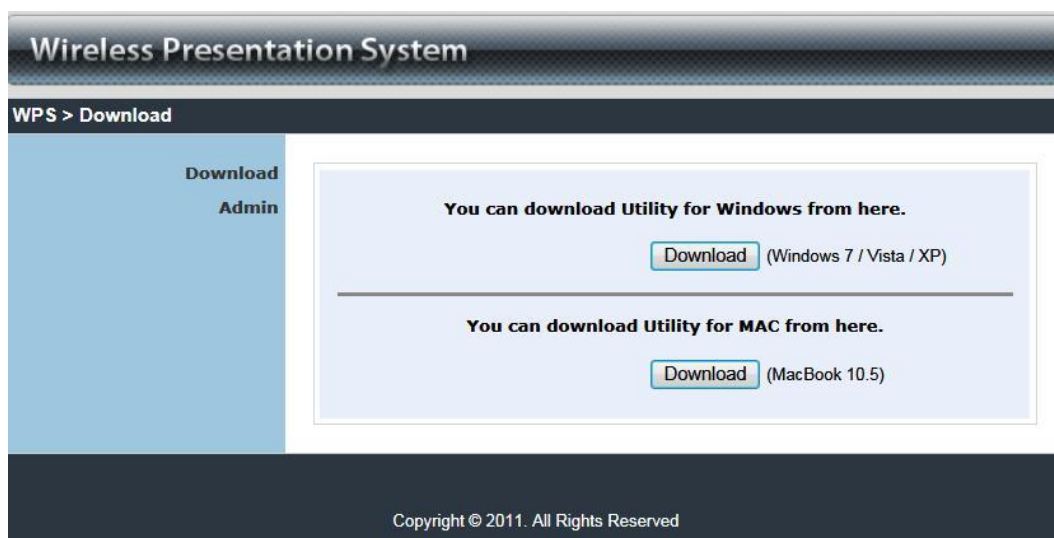
1. Make sure your PC connects to WPS Adapter successfully.
2. Open your browser; it will enter the WPS home page automatically.
3. If not, enter your IP address on the browser, you can see the IP on the projector screen.

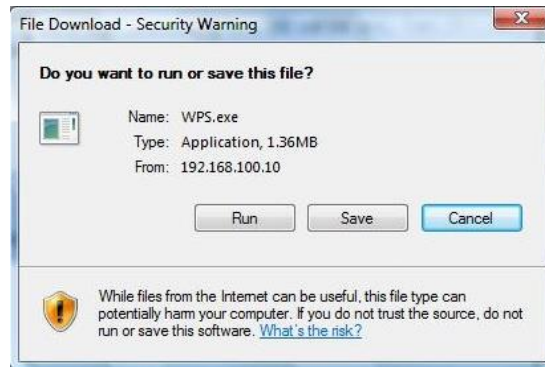
4. The default IP is 192.168.100.10



5.2 Download Software

1. Select "Download software" function.
2. Please select the "Win 7 / Windows Vista / XP " or "Windows Mobile 5/6" or "Mac Utility" and execute the installation program.
3. Follow Installation Wizard instructions to proceed until the installation process complete.
4. If pop up "**Windows Security Alert**" because Windows firewall block this program. You just press "**Unblock**" button to continue installation.
5. Once installation complete, a utility shortcut come out on the screen.





5.3 Login Web Admin



1. Click **[Admin]** and then enter password to login web page.
2. The password default value is "admin".

5.3.1 System Status

The screenshot shows the WPS Admin interface. At the top, there's a header 'Wireless Presentation System'. Below it, a breadcrumb trail reads 'WPS > Admin > System Status' and a 'Logout' button is visible. On the left, a sidebar menu lists various options: System Status, Network Setup, OSD Setup, Projection Setup, Change Passwords, Reset to Default, Firmware Upgrade, and a 'Reboot System' button with a power icon. The main content area displays system information in a table-like format. It includes sections for Model Name, Versions, Network Status, and Connection Status, each with specific details.

System Status	
Model Name	WPS-Dongle 2
Versions	
Firmware Version	1.0.0.0
Network Status	
IP Address	192.168.0.104
Subnet Mask	255.255.255.0
Default Gateway	192.168.0.1
Wireless MAC Address	00:12:5F:02:B9:0C
Connection Status	
Projecting Status	Waiting for Projecting
Total Users	0

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Click **[System Status]**, shows current system status.

Model Name: Product model name

Versions:

1. **Firmware version no.:** Product firmware version number.

Network Status:

1. **IP address :** IP address of WPS device.
2. **Subnet Mask :** subnet mask
3. **Default Gateway :** default gateway
4. **Wireless MAC address :** wireless MAC address
5. **Wire MAC address :** wire MAC address

Connection Status:

1. **Projecting status:** which is “Waiting for projecting” or “Projecting”
2. **Total Users:** This shows how many users are logged into WPS adapter.

5.3.2 Network Setup

There are many kinds of operating configurations as below.

The screenshot shows the 'Wireless Presentation System' web interface. The breadcrumb trail is 'WPS > Admin > Network Setup'. A 'Logout' link is in the top right. A left sidebar contains links: 'System Status', 'Network Setup' (selected), 'OSD Setup', 'Projection Setup', 'Change Passwords', 'Reset to Default', 'Firmware Upgrade', and a 'Reboot System' button with a red icon. The main content area is divided into three sections: 'IP Setup', 'DHCP Server Setup', and 'Wireless Setup'. 'IP Setup' has radio buttons for 'Obtain an IP address automatically' (selected) and 'Use the following IP address', followed by input fields for IP Address (192.168.100.10), Subnet Mask (255.255.255.0), Default Gateway (192.168.100.10), and DNS Server (192.168.100.10). 'DHCP Server Setup' has radio buttons for 'Auto' (selected) and 'Disable', followed by input fields for Start IP (192.168.100.11), End IP (192.168.100.254), Subnet Mask (255.255.255.0), Default Gateway (192.168.100.10), and DNS Server (192.168.100.10). 'Wireless Setup' has radio buttons for 'Wireless LAN' (Enable selected, Disable unselected), 'Connect to Existing WiFi' (Enable unselected, Disable selected), a 'Region' dropdown (WORLDWIDE), 'SSID Broadcast' (Enable selected, Disable unselected), 'Channel' dropdown (Auto), 'Encryption' dropdown (Disable), and a 'Key' input field. At the bottom of these sections is the 'GateKeeper' section with radio buttons for 'All Pass' (selected), 'All Block', and 'Internet Only'. 'Apply' and 'Cancel' buttons are at the bottom right. A footer at the very bottom reads 'Copyright © 2010. All rights reserved.'

< Auto-Configuration Network Setup>

The default setting of the WPS Adapter is DHCP client. When the WPS Adapter is connected to a LAN that already has a DHCP server present, the WPS Adapter takes an IP address assigned to it by the server. When the WPS Adapter is connected to a LAN that does not have a DHCP server, the WPS adapter becomes the DHCP server in the network.

< IP Setup>

- ◆ You can select “obtain IP address automatically” or “Use the following IP address”

- ◆ IP Address: The default value is 192.168.100.10.
- ◆ Subnet Mask: The default value is 255.255.255.0
- ◆ Default Gateway: The default value is 192.168.100.10
- ◆ DNS Server: The default value is 192.168.100.10

<DHCP Server Setup>

- ◆ You can select “auto(Enable/Disable DHCP Server” or “Disable”)
- ◆ Start IP: The start IP address of DHCP Server.
- ◆ End IP: The end IP address of DHCP Server
- ◆ Subnet Mask: The default value is 255.255.255.0
- ◆ Default Gateway: The default value is 192.168.100.10
- ◆ DNS Server: The default value is 192.168.100.10

< Wireless Setup>

- ◆ Wireless LAN: The default value is “Enable”.
Embedded AP SSID:SSID string ,max. Length is 32 bytes.
- ◆ **Connect to Existing AP:** This is “AP client” mode feature. By this feature you can join others Access Point via wireless.
First, enter the existing AP’s SSID and require security key in “**Existing AP SSID**” and “**Key**”, then reboot your system. After these steps, WPS will connect to this AP by wireless automatically.
Note: The default value of AP client mode is “Disable”, and LAN function will be disabled during AP client mode.
- ◆ Region: default value is “Worldwide”.
- ◆ SSID Broadcast: The default value is “Enable”
- ◆ Channel: to set fixed channel or Auto. The “Auto” means after power on WPS, it will scan all of wireless channel and select clear one channel automatically.
- ◆ Encryption: you can select “Disable” or one of WEP/WPA/WPA2 64bit or 128bit in ASCII or HEX string.
- ◆ Key: If Encryption is enabled, you have to set key value according to the encryption mode you selected.

<**Apply** >: press button to select this mode.

<**Cancel**>: press button to abort action.

<**Back**>: Back to Operating mode main menu.

5.3.3 OSD Setup

Wireless Presentation System

WPS > Admin > OSD Setup Logout »

System Status
Network Setup
OSD Setup
Projection Setup
Change Passwords
Reset to Default
Firmware Upgrade
Reboot System

Set Background

Background Image Default

Restore Initial

File Name

Image File Upload

The image file to be uploaded must be created in advance by using the projection screen image creation tool.

☐ Disable ☒ Enable ☐ Some Information

Apply Cancel

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Click [**OSD Setup**] button, to change OSD standby image.

- ◆ **<Restore Initial>**: Restore to default OSD standby image.
- ◆ **<Image File Upload>**: Upload the customized OSD standby image. (You need to convert the image to system defined format using provided IB Maker utility which is stored in the USB token.)

Click [**Screen information**] button, to change OSD information display.

- ◆ **<Disable>**: only login code (if it has)
- ◆ **<Enable>**: all information, login code, IP, SSID, Resolution, Channel, Version, Security
- ◆ **<Some Information>**: IP, SSID

5.3.4 Projection Setup

Wireless Presentation System

WPS > Admin > Projection Setup [Logout »](#)

System Status
Network Setup
OSD Setup
Projection Setup
Change Passwords
Reset to Default
Firmware Upgrade
 Reboot System

Projection Setup

Resolution	XGA (1024X768) ▼
Login Code	<input type="radio"/> Disable <input checked="" type="radio"/> Random <input type="radio"/> Use the following code <input type="text"/>

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Click [**Projection Setup**] button

- ◆ **<Resolution>**:
VGA: XGA(1024*768), WXGA(1280x800) ,WXGA (1280*768) and SVGA(800*600). The default value is XGA.
- ◆ **<Login Code>**: You can select “Disable”, “Random”, or “Use the following code” to set a specified 4-characters Number.
- ◆ **<Apply>** : Confirmation and Save modifications
- ◆ **<Cancel>**: Cancel all the modifications

5.3.5 Change Passwords

The screenshot shows the 'Wireless Presentation System' admin interface. The breadcrumb trail is 'WPS > Admin > Change Passwords'. A 'Logout »' link is in the top right. On the left sidebar, 'Change Passwords' is highlighted. The main content area has a title 'Admin' and two input fields: 'Enter New Password' and 'Confirm New Password'. An 'Apply' button is to the right of the second field. A 'Reboot System' button with a power icon is at the bottom left of the sidebar. The footer says 'Copyright © 2011. All Rights Reserved'.

Click **[Change Password]** button, to change password value.

The length of password is up to 8 characters.

- ◆ **<Enter New Password>**: enter new password you want to change for each category.
- ◆ **<Confirm New Password>**: double confirm new password.
- ◆ **<Apply>**: Confirmation and Save modifications.

5.3.6 Reset to Default

The screenshot shows the 'Wireless Presentation System' admin interface. The breadcrumb trail is 'WPS > Admin > Reset to Default'. A 'Logout »' link is in the top right. On the left sidebar, 'Reset to Default' is highlighted. The main content area has a title 'Reset to Default' with a warning icon (yellow triangle with an exclamation mark). Below the title, it says 'This will restore the device to the factory default settings.' An 'Apply' button is at the bottom right of the main content area. A 'Reboot System' button with a power icon is at the bottom left of the sidebar. The footer says 'Copyright © 2011. All Rights Reserved'.

Click **[Reset to Default]** button to restore factory default settings.

<Apply>: Confirmation and action.

5.3.7 Firmware Upgrade

The screenshot shows the 'Wireless Presentation System' web interface. The breadcrumb trail is 'WPS > Admin > Firmware Upgrade'. On the left, a sidebar menu lists: System Status, Network Setup, OSD Setup, Projection Setup, Change Passwords, Reset to Default, Firmware Upgrade (highlighted), and Reboot System. The main content area displays the current 'Firmware Version' as 1.0.0.0 and 'Release Date' as 20110421. Below this, a warning message states: 'After you apply Upgrade button, projecting function will be terminated.' There is a text input field for 'File Name' with a 'Browse...' button next to it, and an 'Upgrade' button below the field. At the bottom of the page, it says 'Copyright © 2011. All Rights Reserved'.

Click **[Firmware Upgrade]** button to upgrade firmware.

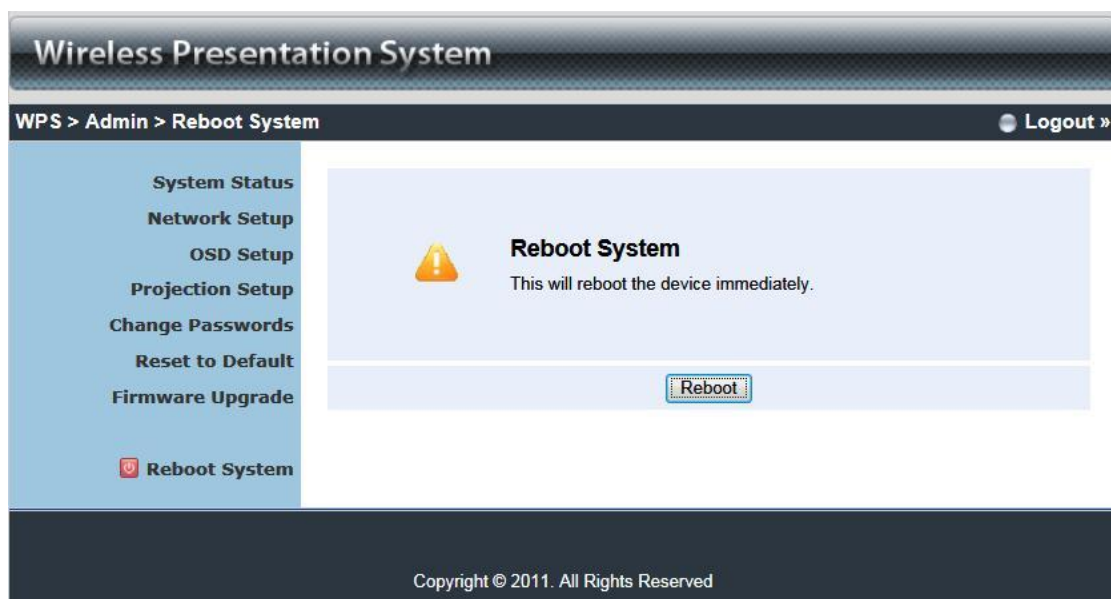
1. Firstly, you have to get latest firmware image file from your vendor.
2. Click **<Browse>** to specify file name you want to upgrade.
3. Click **<Upgrade>** to start.
4. A warning message shown and count down counter on the screen.
5. After a few minutes, a completed message is shown on the screen.
6. Restart WPS dongle to take effect.

This screenshot shows the progress screen of the firmware upgrade. The breadcrumb trail is 'WPS > Admin > Firmware Upgrade'. On the left, there is an icon of a circuit board with a flame. The main text reads: 'Please wait while System burns new firmware into your device.' Below this is a warning: 'Warning: It needs to take 3~4 minutes to burn the file you transferred into flash memory. During this period, any interrupt such as shut down or reboot the system will cause system crash!'. A progress bar is shown with the text 'Estimated Time remaining: 236 seconds'. At the bottom, it says 'Copyright © 2010. All rights reserved.'.



Warning: Don't power off WPS Adapter while firmware upgrade in progress, otherwise will cause your Adapter to stop working and will need to be returned to your vendor for firmware updating.

5.3.8 Reboot System



Click **[Reboot System]** button, to restart system

- ◆ **<Reboot>**: reboot system automatically.

5.3.9 Logout

Wireless Presentation System

WPS > Admin > System Status

Logout »

System Status

Network Setup


OSD Setup

Projection Setup

Change Passwords

Reset to Default

Firmware Upgrade

 Reboot System

Model Name	WPS-Dongle
Versions	
Firmware Version	1.0.0.0
Network Status	
IP Address	192.168.0.104
Subnet Mask	255.255.255.0
Default Gateway	192.168.0.1
Wireless MAC Address	00:12:5F:02:B9:0C
Connection Status	
Projecting Status	Waiting for Projecting
Total Users	0

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6. Appendix

Screen Image Background Maker

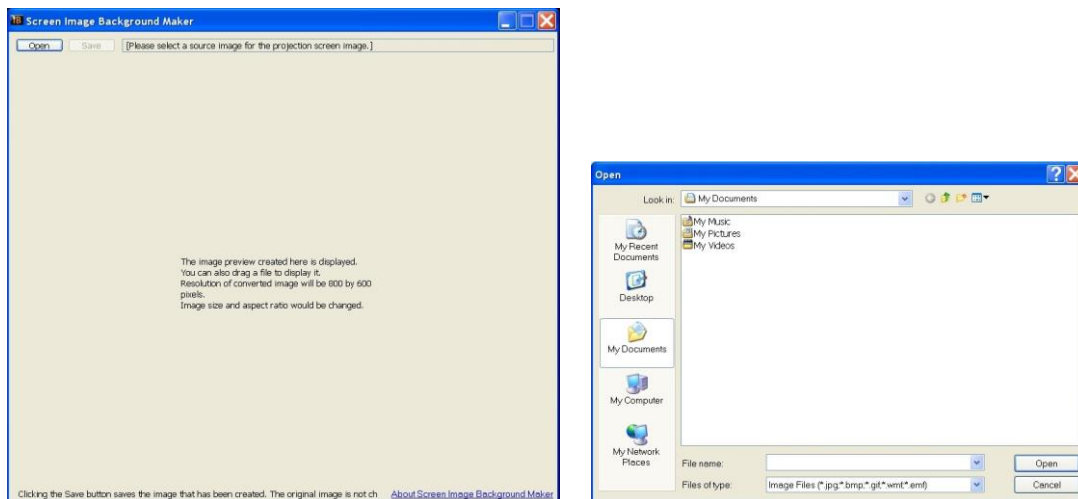
Quick Installation Guide

Version: 1.00

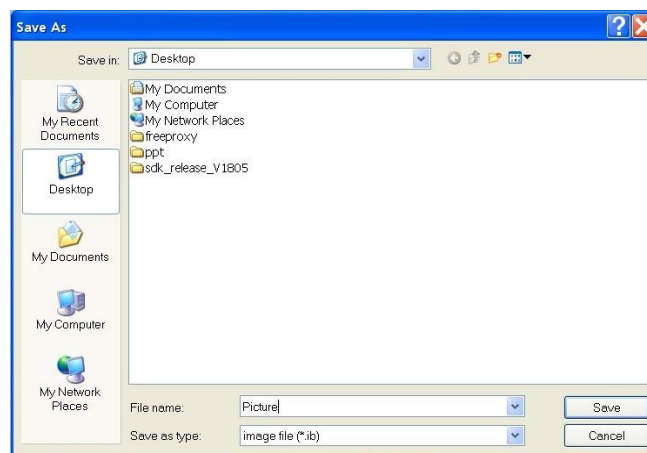
- 1) Run the “Screen Image Background Maker” and follow the wizard to convert the image file.



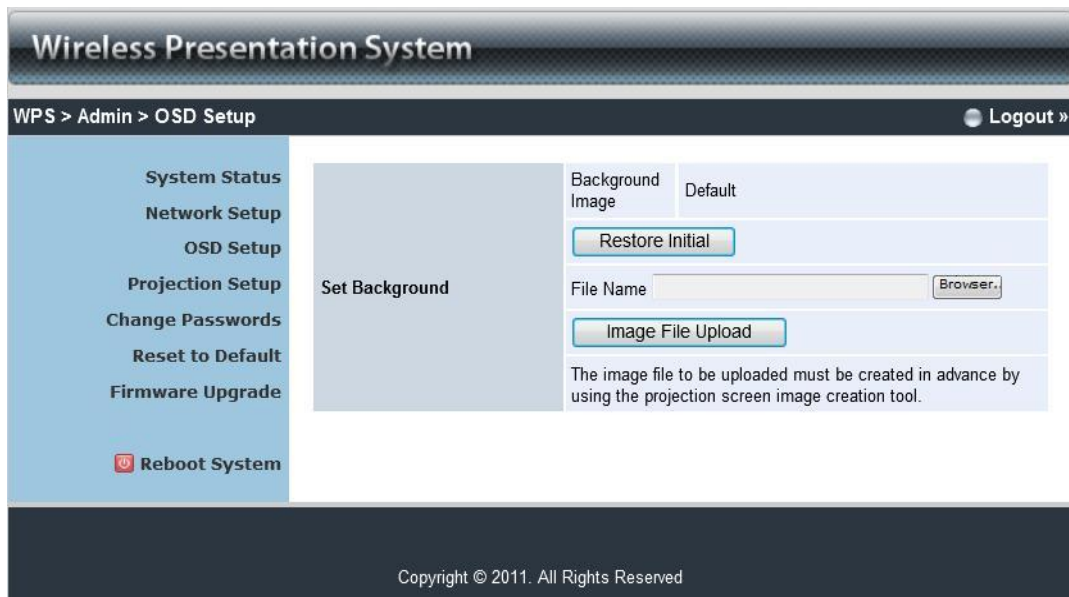
- 2) Press “Open” to select a file to convert this image for background use.



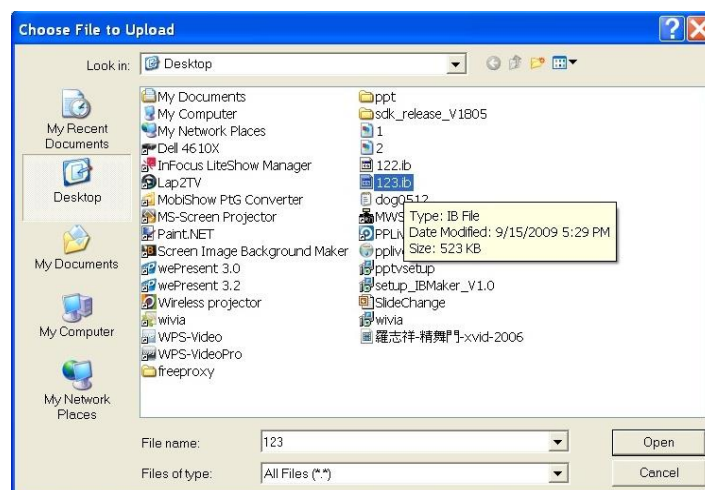
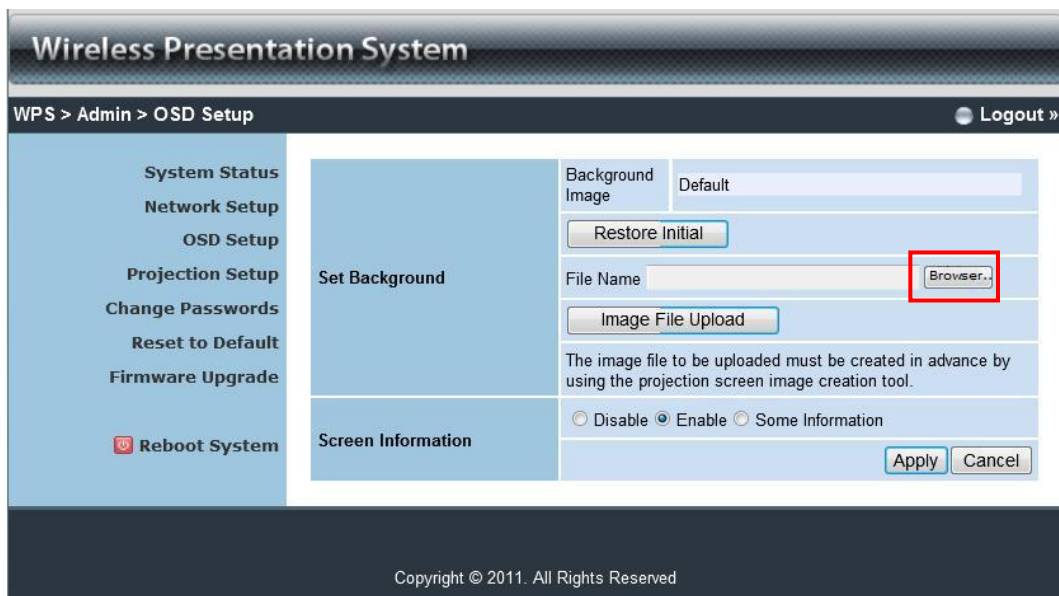
- 3) Press “Saver” to save this file.(*.ib)



4) Please connect to WPS webpage, and then connect to OSD setup page.



5) Press "Browser" to choose the *.ib file.



- 6) Press “image file upload” to upload your background image.
Then it will show the message as below.



Note: You may find “Screen Image Background Maker” in the USB Token.